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NOTES ON GEOGRAPHIC DISTRIBUTION

Physalaemus albifrons Spix, 1824 (Anura: Leiuperidae): Distribution and geographic extension

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ABSTRACT: We report the first record of *Physalaemus albifrons* in the state of Alagoas, in the municipality of Boca da Mata, Brazil.

The genus *Physalaemus* Fitzinger, 1826 is currently composed of 45 species (Frost 2011), with ample geographic distribution in South America, encompassing all the Brazilian regions, Misiones and Entre Ríos in Argentina, eastern Paraguay, Santa Cruz in Bolivia and likely the plains of southern Venezuela (Costa and Jim 2009). *Physalaemus* species are divided into seven groups: the *P. albifrons* species group including four species, the *P. cuvieri* species group including nine species, the *P. deimaticus* species group including three species, the *P. gracilis* species group including five species, the *P. henselii* species group including three species, the *P. signifer* species group including 13 species (Nascimento *et al.* 2005) and the *P. olfersii* species group including eight species (Cassini *et al*. 2010).

Physalaemus albifrons (Spix, 1824, Figure 1) is a species native to Brazil, found in open areas, from the state of Maranhão to the southern part of the state of Minas Gerais (Andrade and Flora 2004). The species is usually found near water, in waterlogged soil with their body partially submerged or on aquatic macrophytes and is strictly nocturnal, initiating vocalization at dusk (Arzabe *et al.* 2005; Vieira *et al*. 2007).

On 23 May 2011 we collected a male specimen of *P. albifrons* in the municipality of Boca da Mata in the state of Alagoas, Brazil (09°41'19" S, 36°12'07" W; elevation 170 m), in the Cariri da Prensa farm. The individual was found in a temporary pond in a sugar cane plantation. The preserved specimen is registered as MUFAL 8793 in the Museum of Natural History, Universidade Federal de Alagoas – UFAL under collecting license 28997-1 (ICMBIO - Instituto Chico Mendes de Conservação da Biodiversidade).

Although previous reports show a wide occurrence of *P. albifrons* in northeastern Brazil (Table 1; Figure 2), the species had never been recorded from the state of Alagoas. The previous closest records to the new locality are Betânia, Pernambuco (255 km airline to the west, see

FIGURE 1. *Physalaemus albifrons* (MUFAL 8793), collected in the Cariri da Prensa farm, municipality of Boca da Mata, state of Alagoas, Brazil. Photo by Ubiratan Gonçalves.

FIGURE 2. Distribution map of *Physalaemus albifrons*. The new locality is indicated by a red dot.

Borges-Nojosa and Santos 2005) and Aracaju, Sergipe (190 km airline to the south, see Oliveira and Junior 2000). Loebmann and Mai (2008) found the species while inventorying the anurofauna of three coastal municipalities in the state of Piauí (Parnaíba, Luís Correia and Cajueiro da Praia).

Table 1. Localities and references used for the *Physalaemus albifrons* distribution.

MUNICIPALITY	STATE	LATITUDE	LONGITUDE	REFERENCE
Barreirinha	Maranhão	04°19'17" S	44°13'24" W	Nascimento *et al.* 2005
Brejo Santo	Ceará	07°29'19" S	38°58'58" W	Nascimento *et al.* 2005; Cruz and Pimenta 2004
Fortaleza	Ceará	03°43'08" S	38°32'33" W	Nascimento *et al.* 2005
Ibiapaba	Ceará	03°20'05" S	40°42'41" W	Loebmann and Haddad 2010
Aracaju	Sergipe	10°55'00" S	37°04'00" W	Oliveira and Junior 2000
Santa Luzia do Itanhy	Sergipe	11°21'08" S	37°26'44" W	Nascimento *et al.* 2005
São Cristovão	Sergipe	11°00'48" S	37°13'20" W	Nascimento *et al.* 2005
Itabaiana	Sergipe	10°41'09" S	37°25'27" W	Carvalho *et al.* 2005
Barreiras	Bahia	12°08'38" S	44°59'35" W	Nascimento *et al.* 2005
Maracas	Bahia	13°25'45" S	40°26'15" W	Langone 2001
Bom Jesus da Lapa	Bahia	13°15'13" S	43°24'54" W	Nascimento *et al.* 2005
Juazeiro	Bahia	09°26'21" S	40°30'17" W	Nascimento *et al.* 2005
Brotas de macaúbas	Bahia	12°00'24" S	42°37'35" W	Oliveira *et al.* 2010
Lajeado	Minas Gerais	20°58'46" S	46°57'40" W	Nascimento *et al.* 2005
Mocambinhos	Minas Gerais	15°51'16" S	43°03'53" W	Langone 2001
Manga	Minas Gerais	14°45'34" S	43°56'02" W	Nascimento *et al.* 2005
Porteirinha	Minas Gerais	15°44'48" S	43°01'27" W	Nascimento *et al.* 2005
Serranópolis	Minas Gerais	15°48'53" S	42°51'56" W	Leite *et al.* 2008
Ilha Grande	Piauí	02°50'05" S	41°49'10" W	Silva *et al.* 2007
Cabaceiras	Paraíba	07°29'22" S	36°17'18" W	Vieira *et al.* 2007
São João do cariri	Paraíba	07°23'27" S	36°32'02" W	Vieira *et al.* 2007
São José do Bonfim	Paraíba	07°09'56" S	37°18'20" W	Vieira *et al.* 2007
Betânia	Pernambuco	08°16'30" S	38°02'11" W	Borges-Nojosa and Santos 2005
Floresta	Pernambuco	08°38'42" S	38°35'05" W	Borges-Nojosa and Santos 2005

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